SureFire WIRELINE WEST LLC

RADIAL BOND
GAMMA RAY
COLLAR LOG

Company	EXTRACTION OIL & GAS, INC	
Well	INTERCHANGE B S22-30-20N	
Field	WATTENBERG	
County	BROOMFIELD	
State	COLORADO	Country USA

Company EXTRACTION OIL & GAS, INC
Well INTERCHANGE B S22-30-20N
Field WATTENBERG
County BROOMFIELD
State COLORADO Country USA

Location: API #: 05-014-20851
NE/SW
SEC 10 TWP 1S RGE 68W

Other Services

Permanent Datum GROUND LEVEL Elevation 5205
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 5233
D.F.
G.L. 5205

Date	31-MAY-2022
Run Number	ONE
Depth Driller	25133
Depth Logger	9586
Bottom Logged Interval	9582
Top Log Interval	SURFACE
Open Hole Size	8 1/2
Type Fluid	WATER
Density / Viscosity	---
Max. Recorded Temp.	242 F
Estimated Cement Top	650'-ESTIMATED
Time Well Ready	ROA
Time Logger on Bottom	0830
Equipment Number	803
Location	KERSEY
Recorded By	JIM McKIE
Witnessed By	MR. DANNY HERRERA

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9 5/8	36	SURFACE	1500
Prot. String				
Production String	5 1/2	20	SURFACE	TOTAL DEPTH
Liner				

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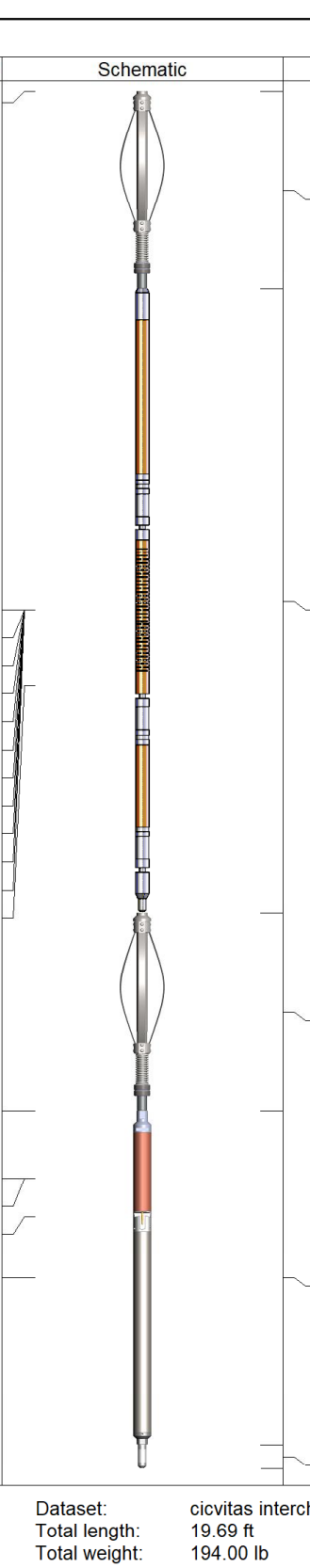
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

LOG RECORDED USING 28' KB

LOCATION:
N-X000-S
X= INTERCHANGE B S22-30-20N

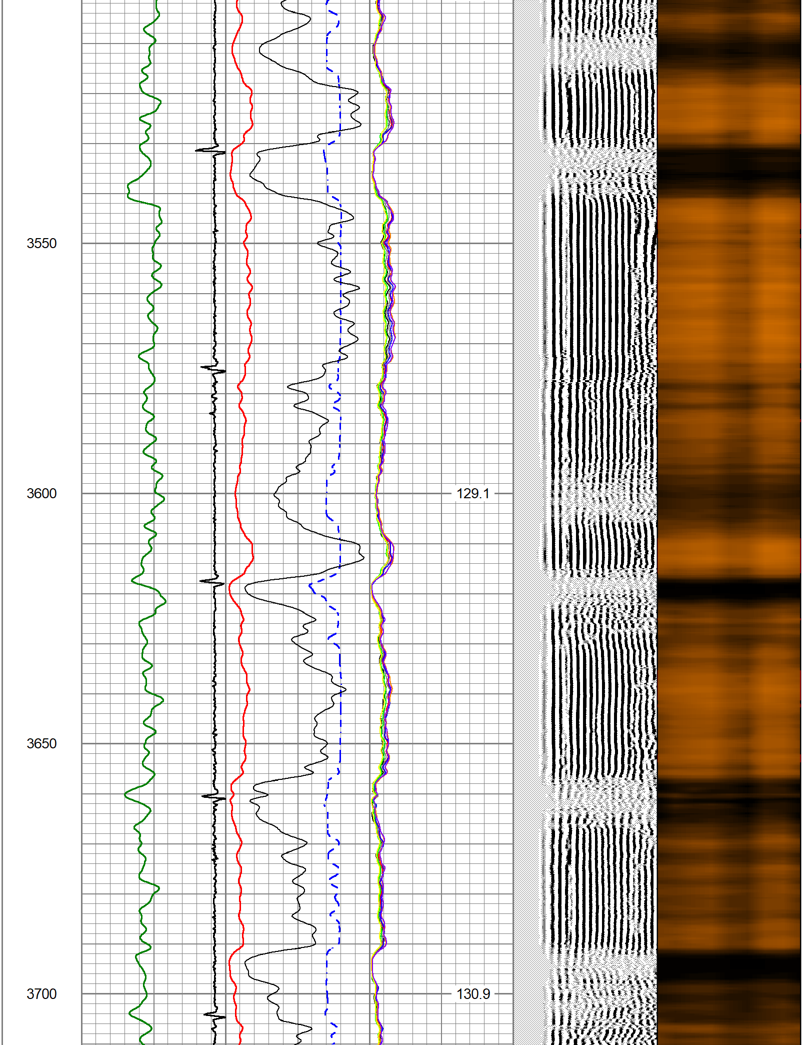


Sensor	Offset (ft)	Description	Length (ft)	O.D. (in)	Weight (lb
ErrCt	19.69				
		CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
WVFSYNC	12.27	RBT-Probe (FW1905-055) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFS8	12.27				
WVFS7	12.27				
WVFS6	12.27				
WVFS5	12.27				
WVFS4	12.27				
WVFS3	12.27				
WVFS2	12.27				
WVFS1	12.27				
WVFCAL	12.27				
WVF3FT	12.27				
WVF5FT	11.19				
		CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
GCT_HV	5.10				
CCL$2	4.14				
CCL$1	4.14				
GCT_Temp	3.59				
GR	2.72	GC-GCT275-0000 (FW1905-098) Probe Gamma Ray - CCL w/ Temp	4.77	2.75	55.00
		Plug-FA108-0000 1.38" Bull Plug	0.33	1.38	1.00

Dataset: cicvitas interchange b s22-30-20n.db: field/well/run1/pass3
Total length: 19.69 ft
Total weight: 194.00 lb
O.D.: 2.75 in

Database File	cicvitas interchange b s22-30-20n.db
Dataset Pathname	pass3
Presentation Format	sfww_cbl_oasis-sectors (2)
Dataset Creation	Tue May 31 08:44:24 2022
Charted by	Depth in Feet scaled 1:240

-3 CCL 2
0 GR (GAPI) 150
0 AMP (mV) 100
650 TT (usec) 150
0 AMPx5 (mV) 20
0 AMPS1 150
0 AMPS2 150
0 AMPS3 150
0 AMPS4 150
0 AMPS5 150
0 AMPS6 150
0 AMPS7 150
0 AMPS8 150
GCT_Temp (degF)
200 VDL (usec) 1200
1 RADIAL MAP 8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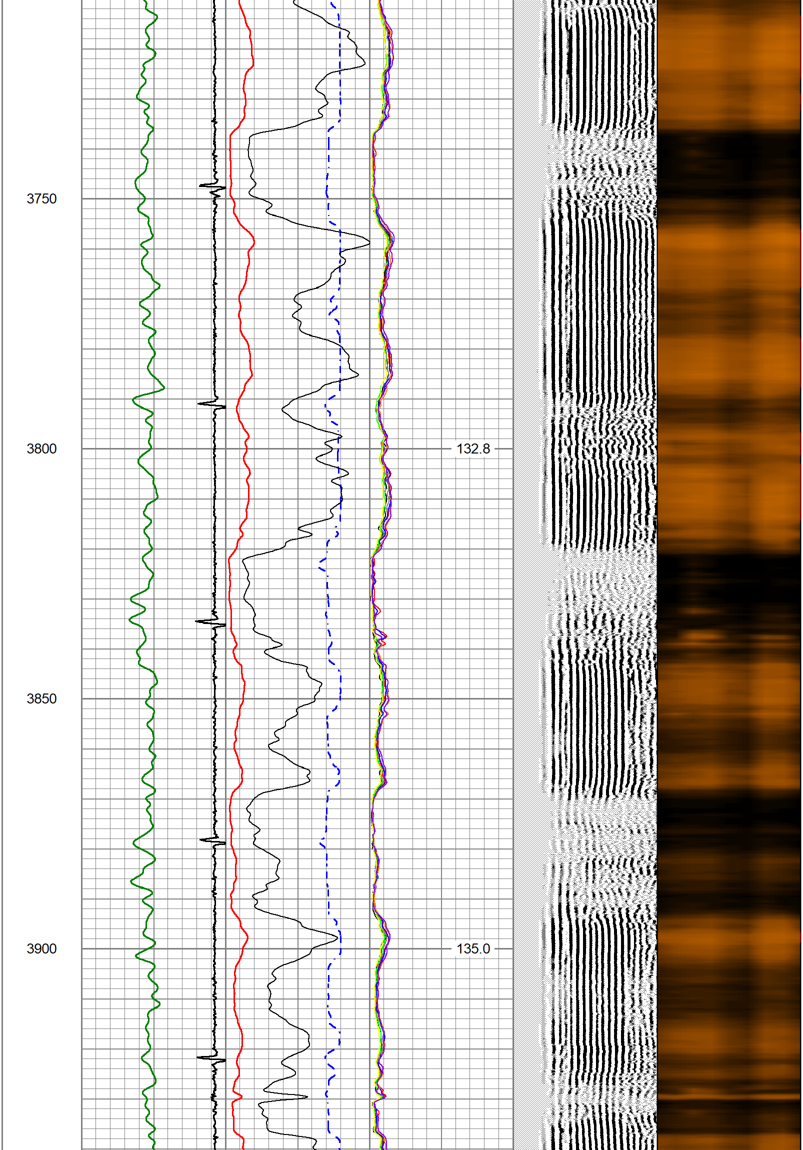
3650
3700
130.9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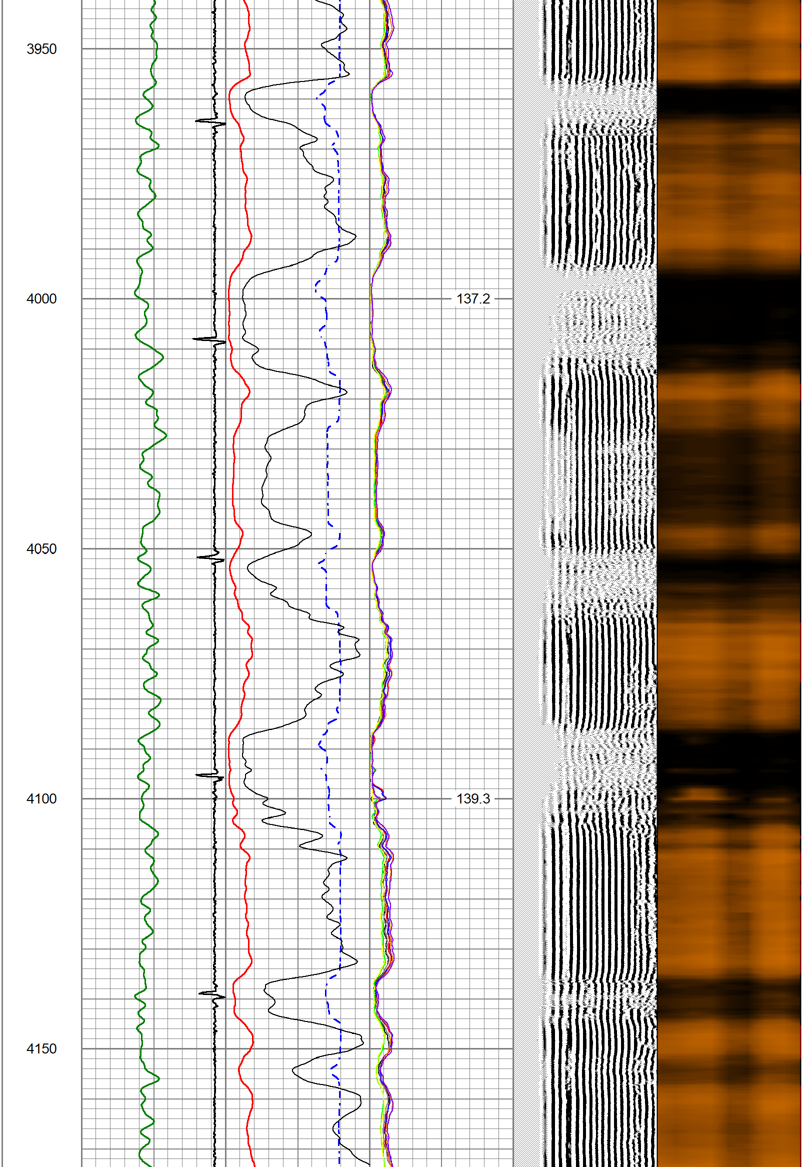
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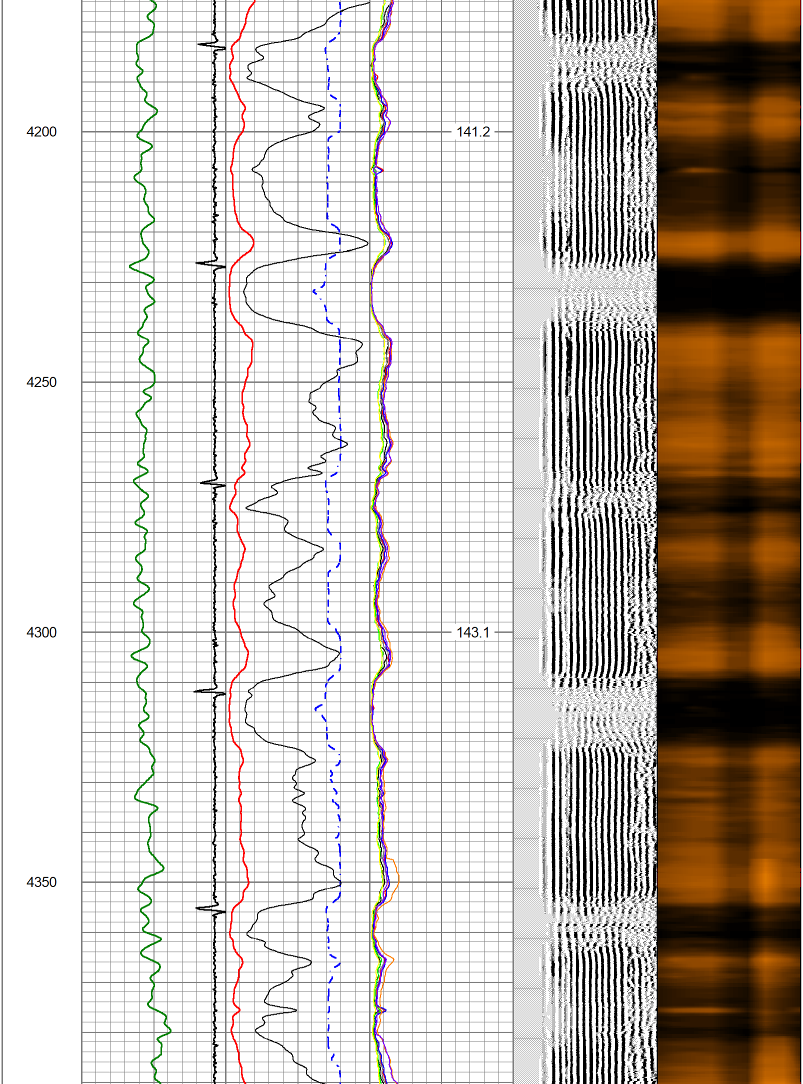
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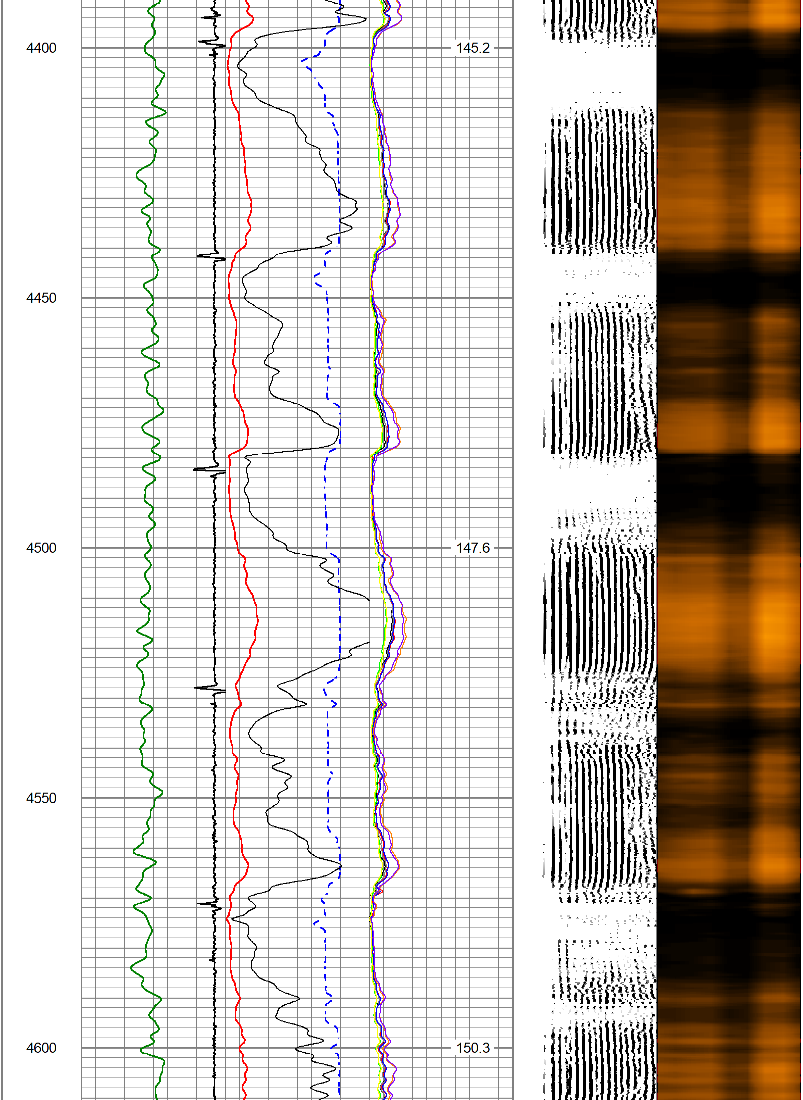
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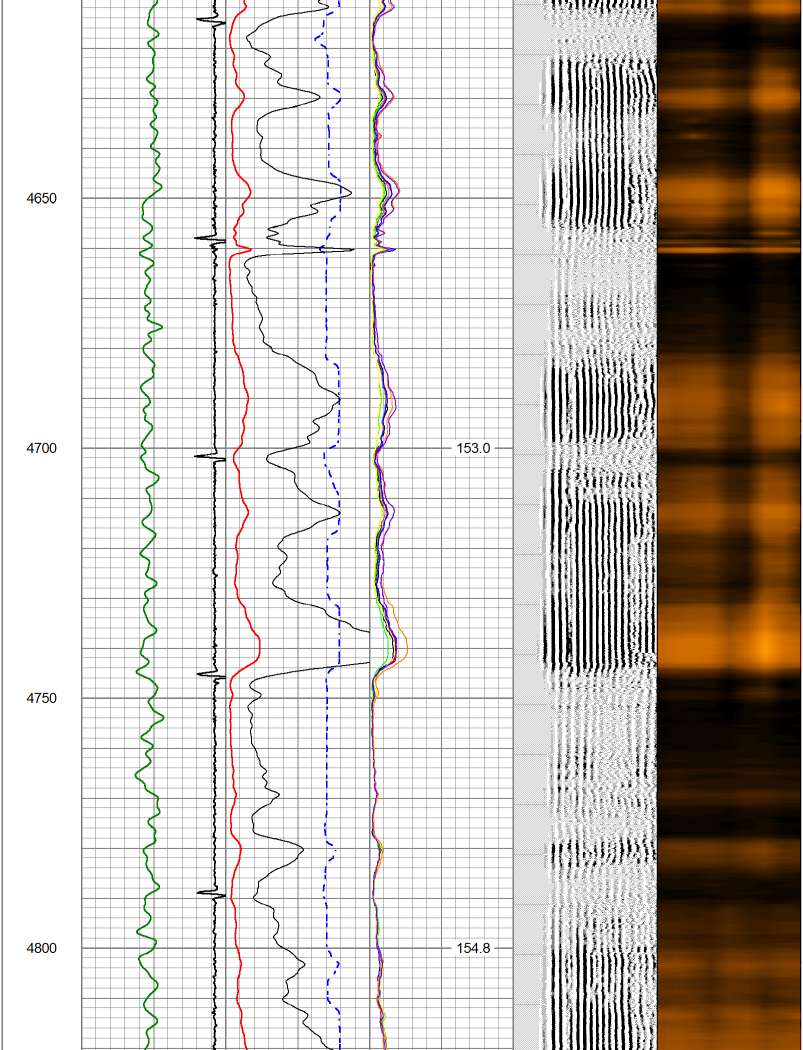
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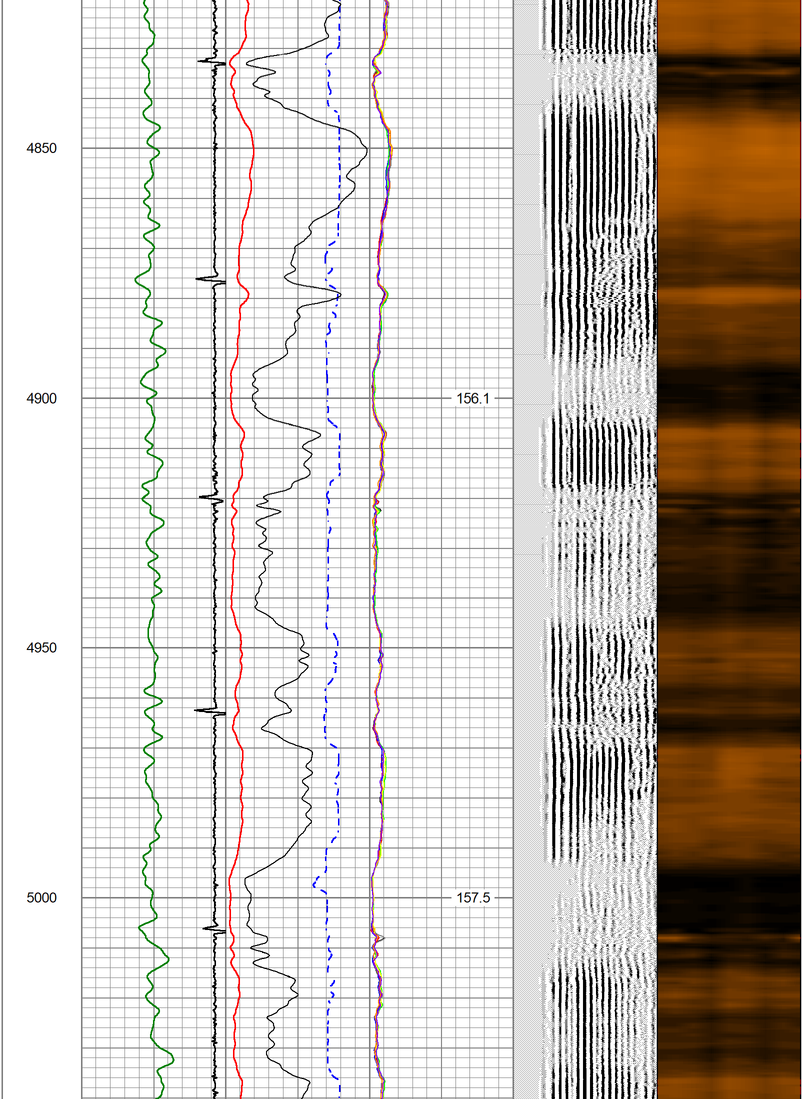
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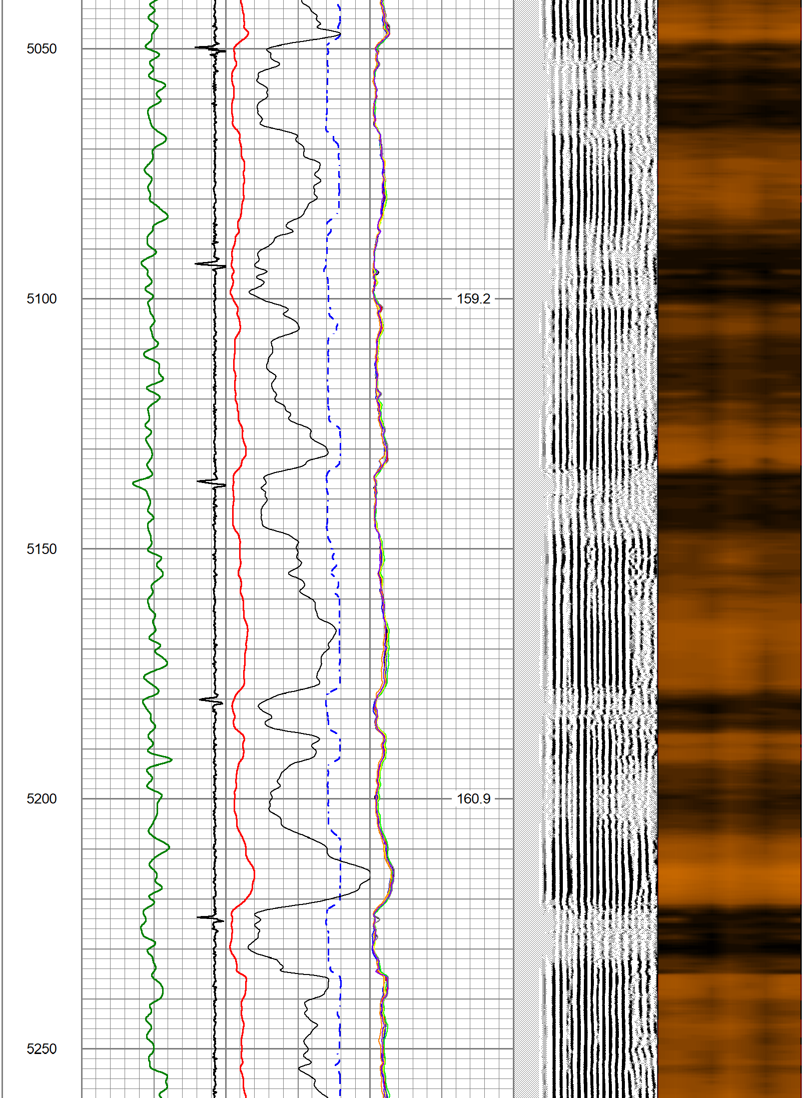
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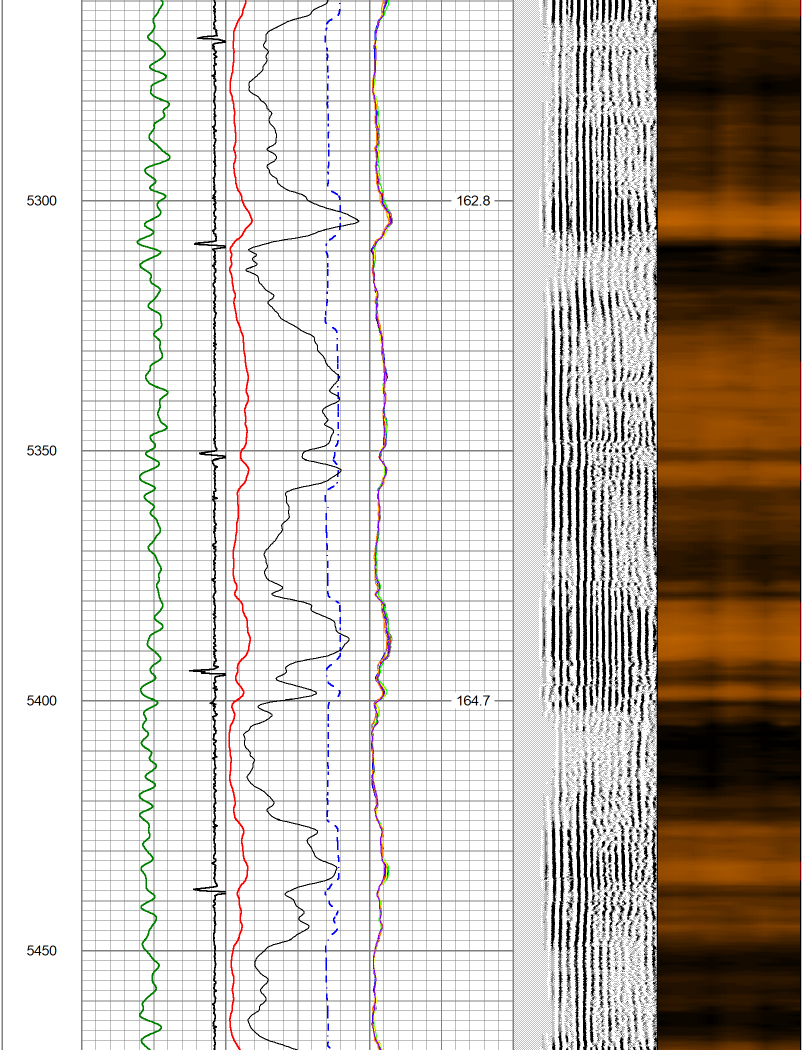
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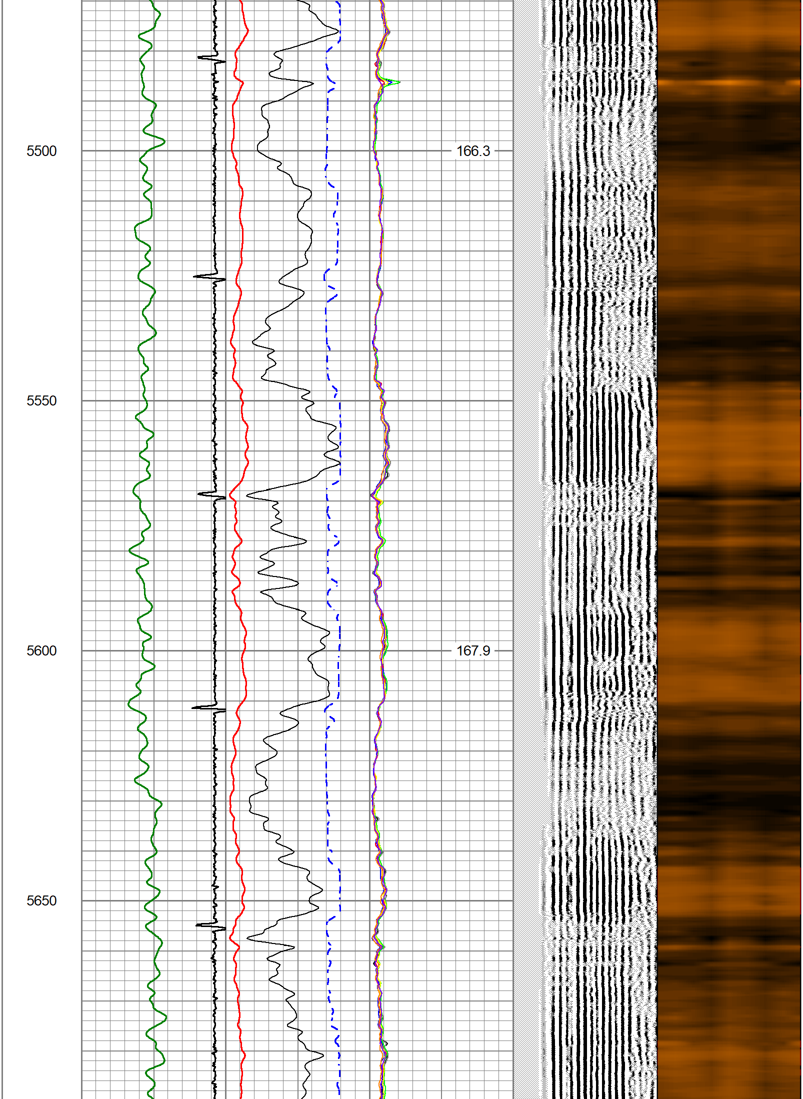
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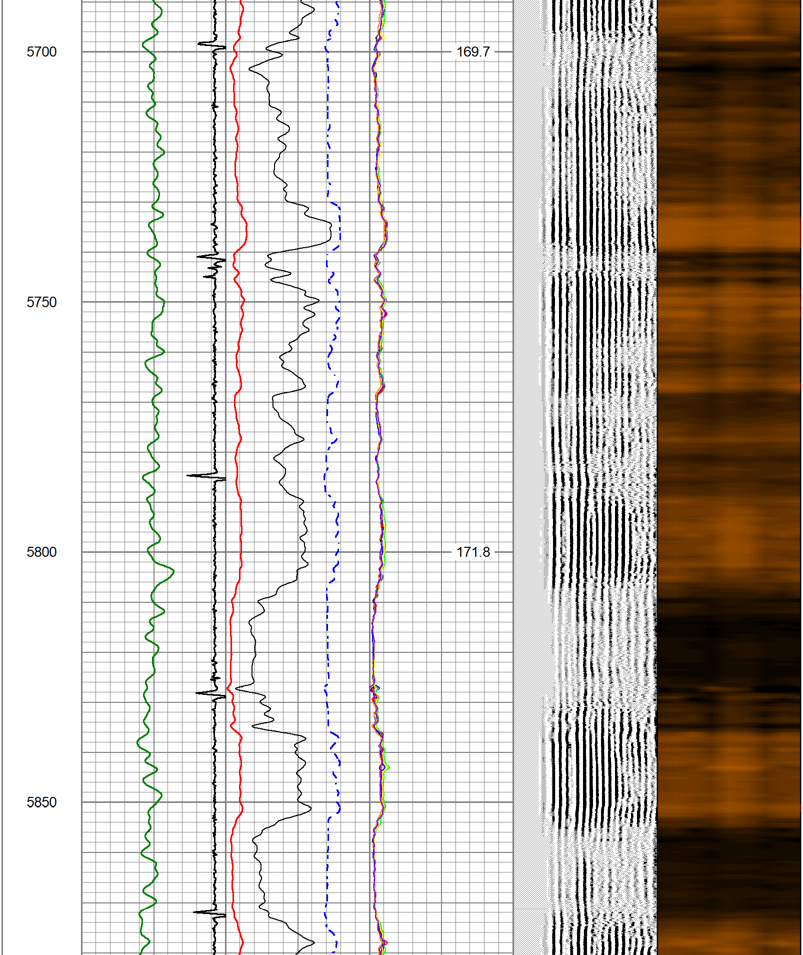
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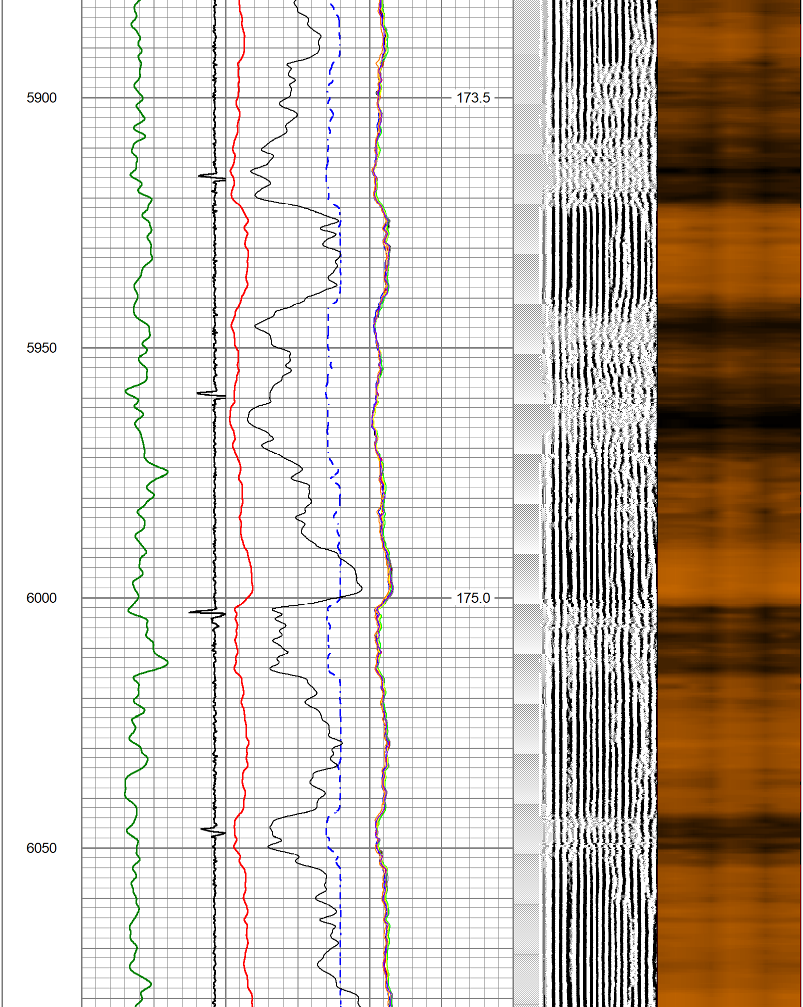
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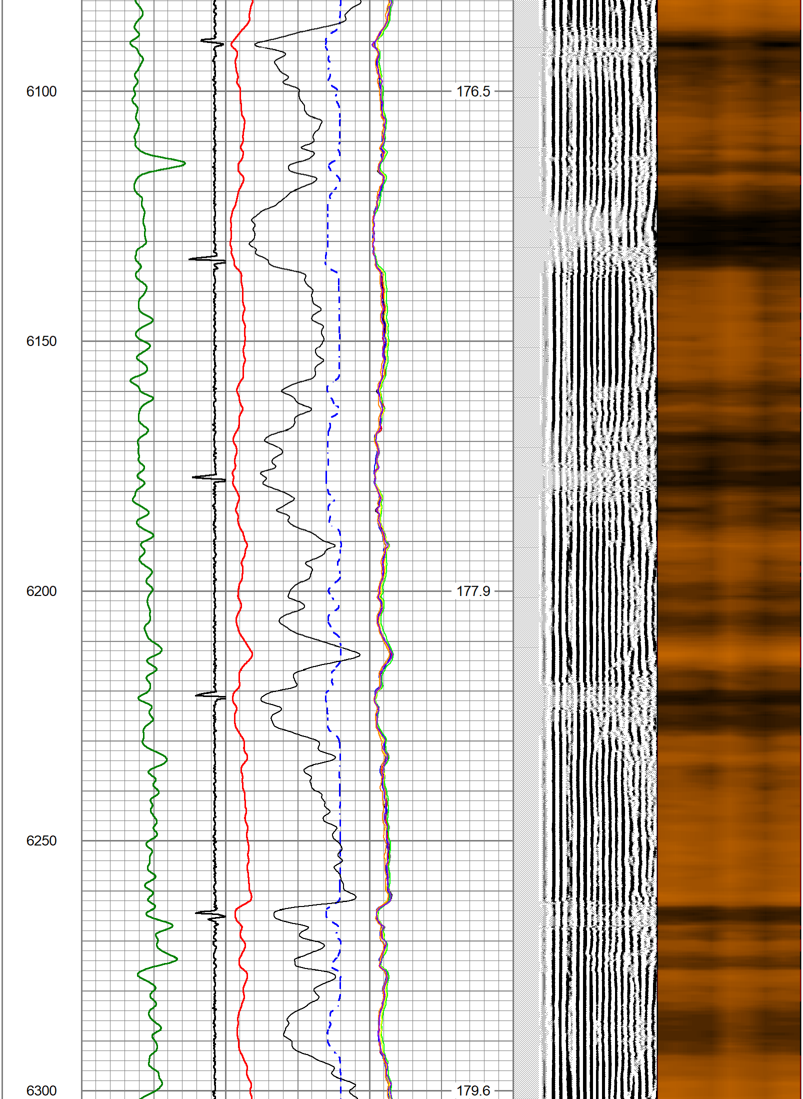
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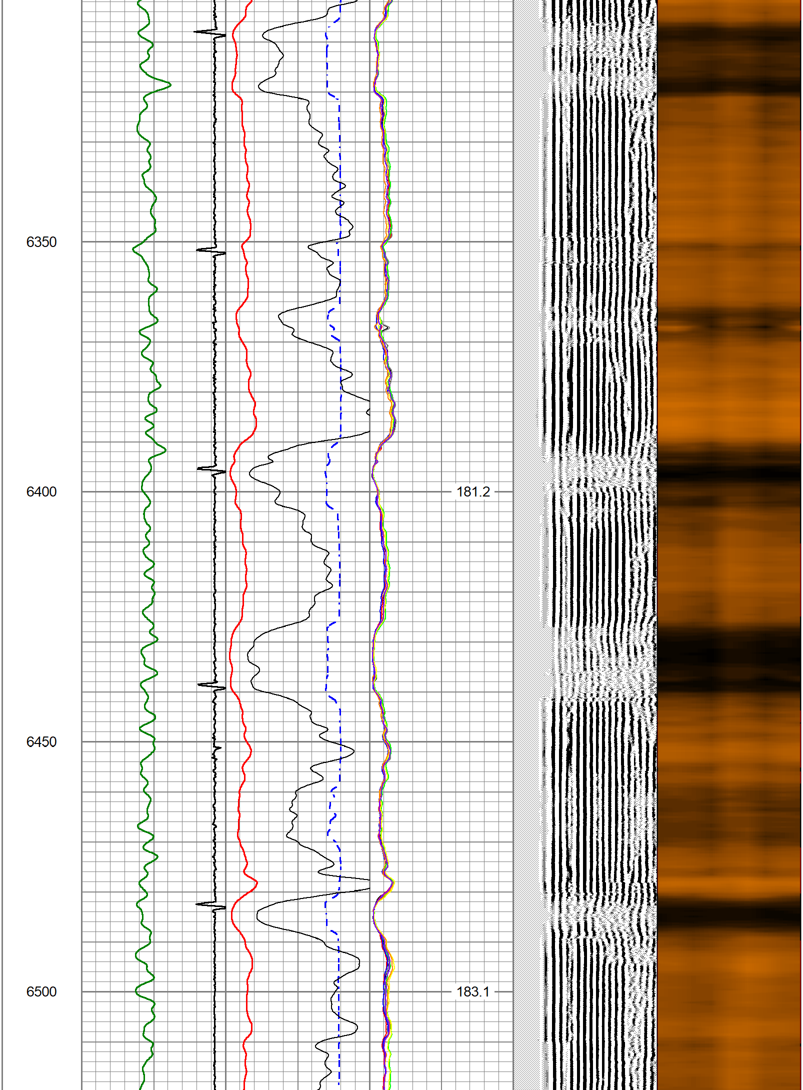
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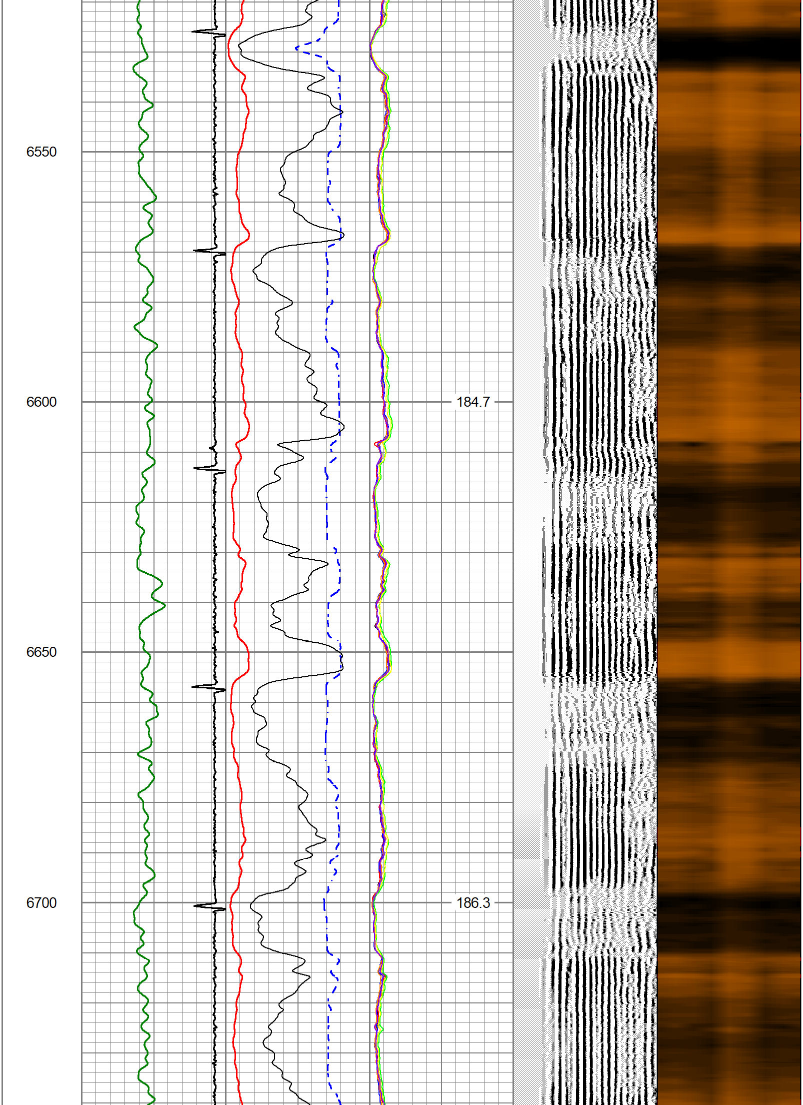
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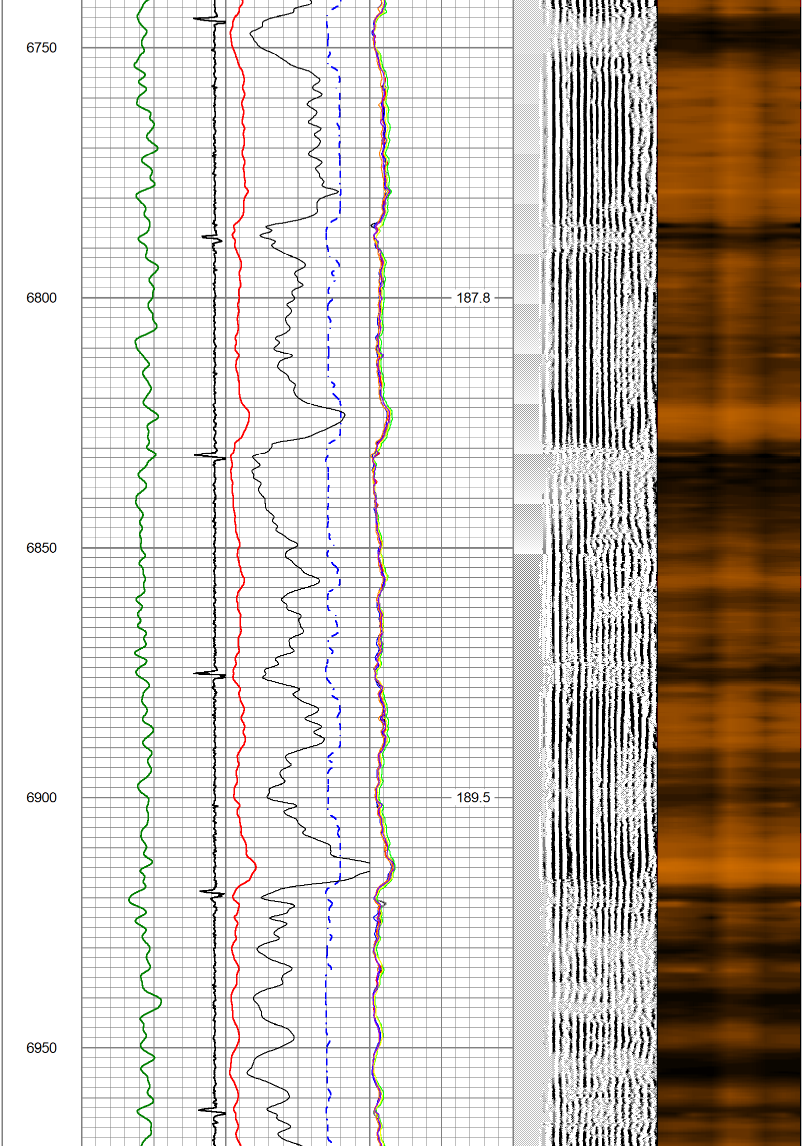
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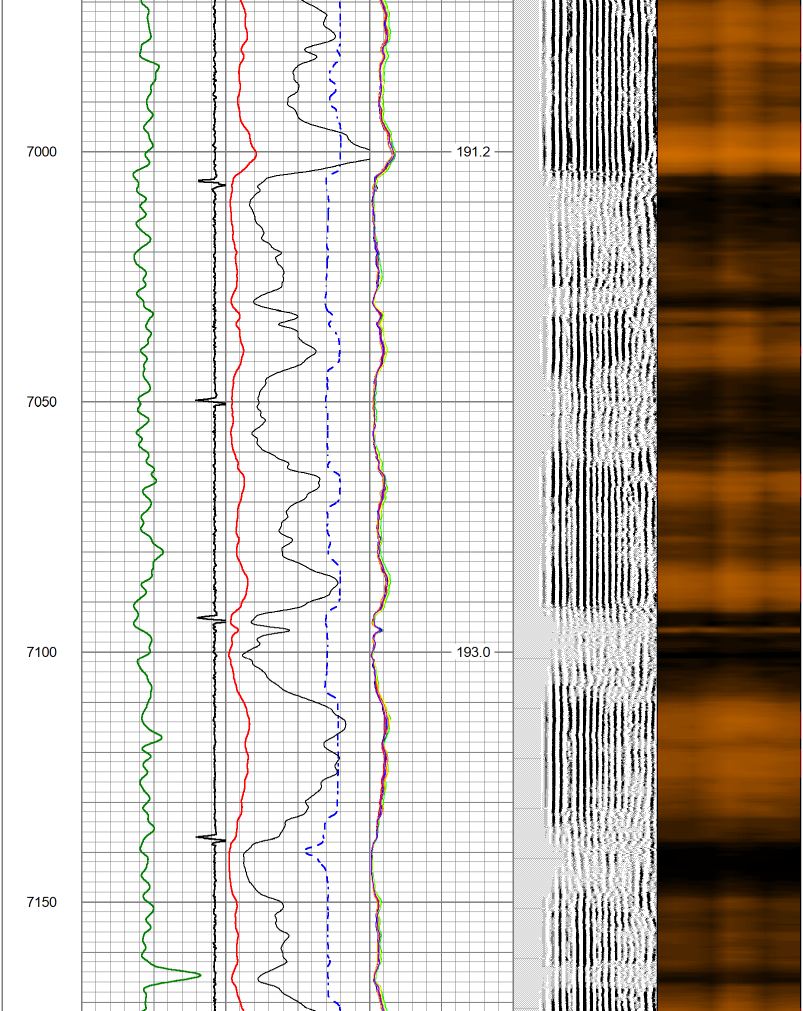
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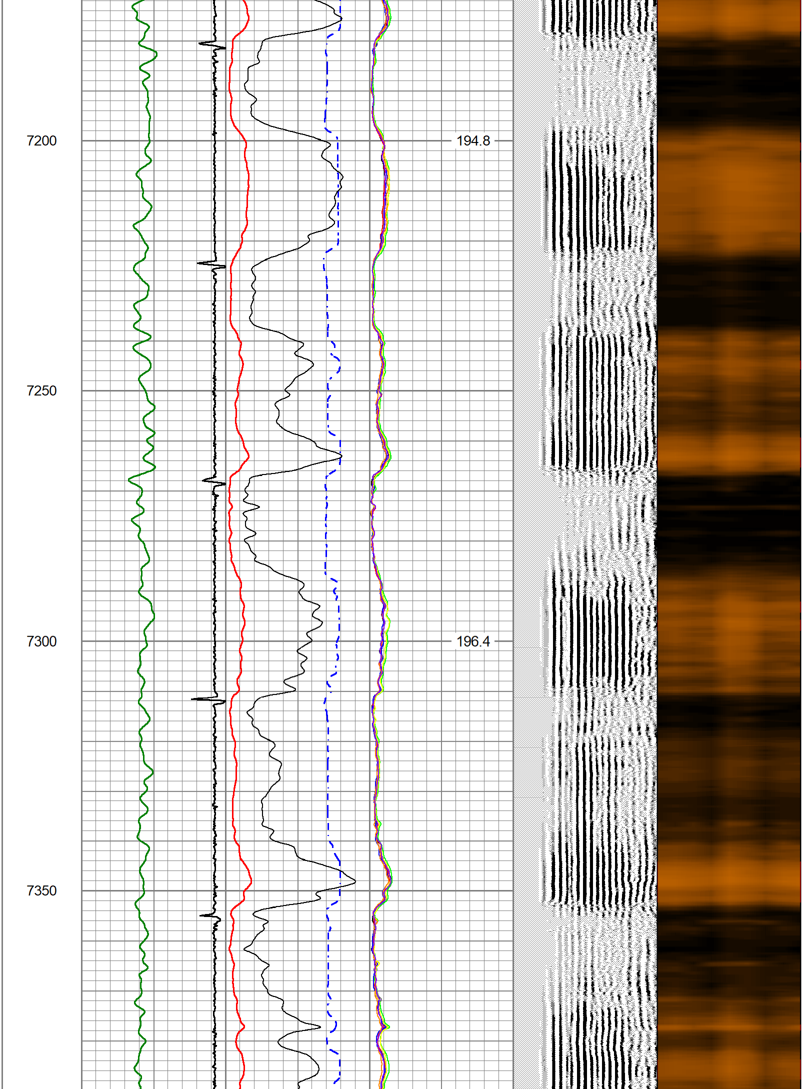
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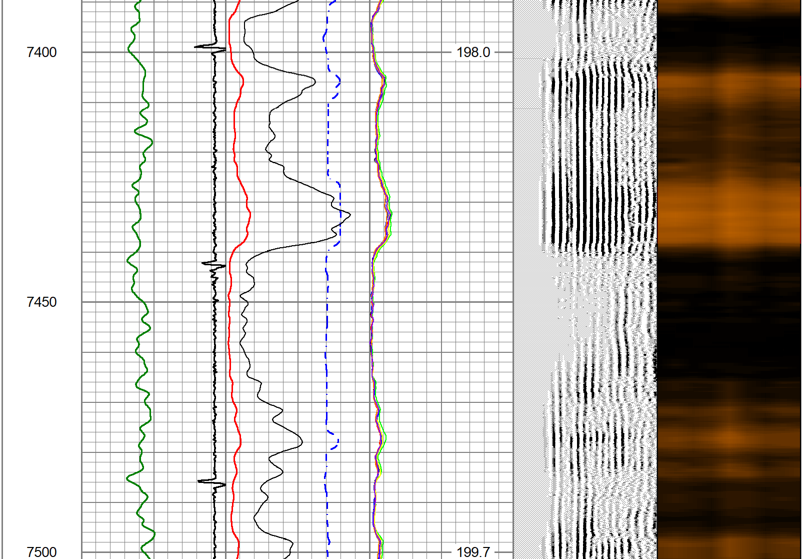
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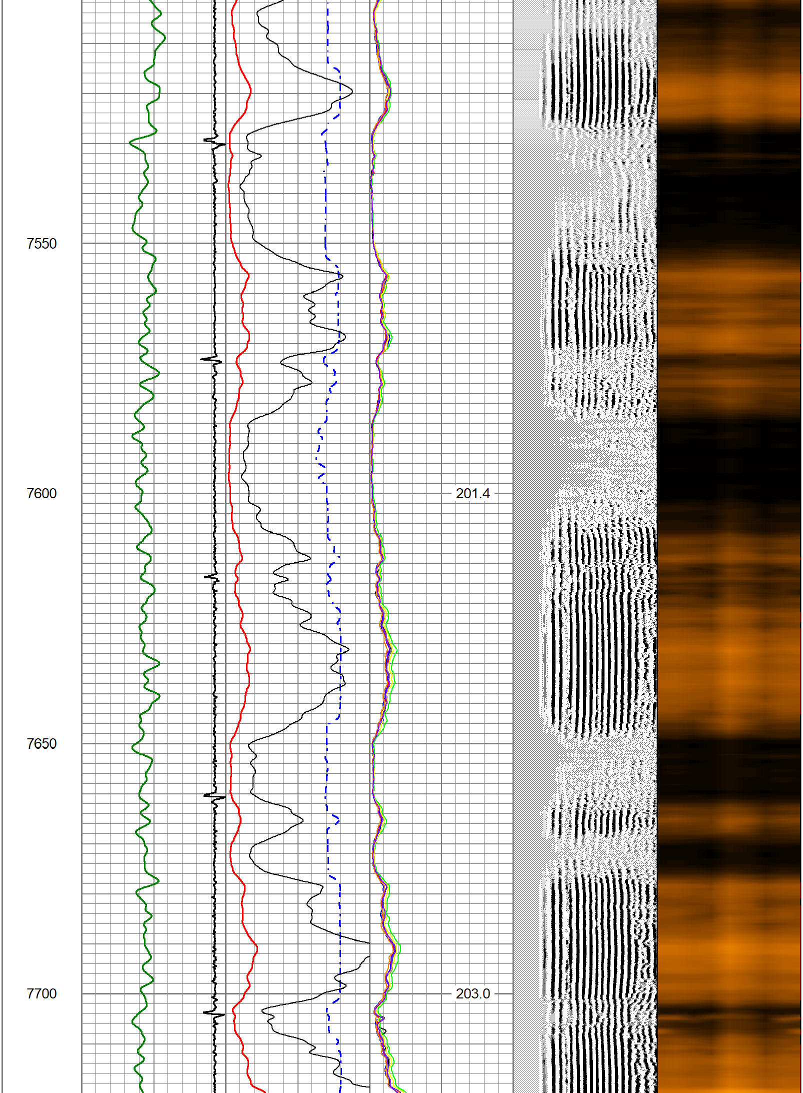
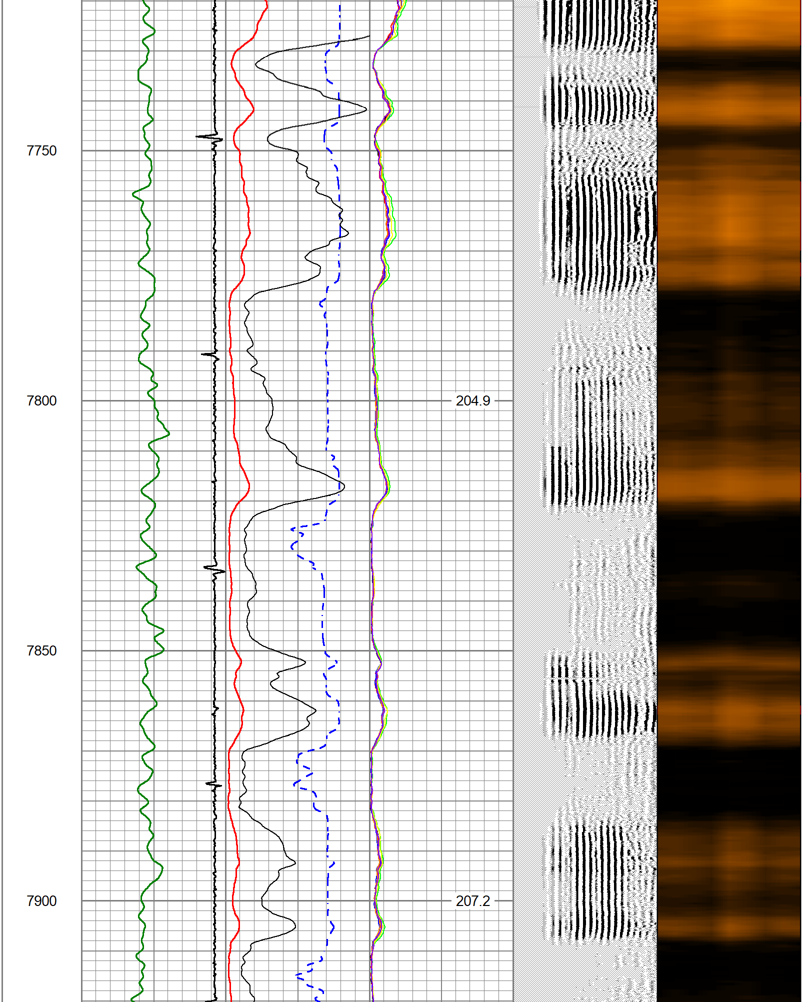
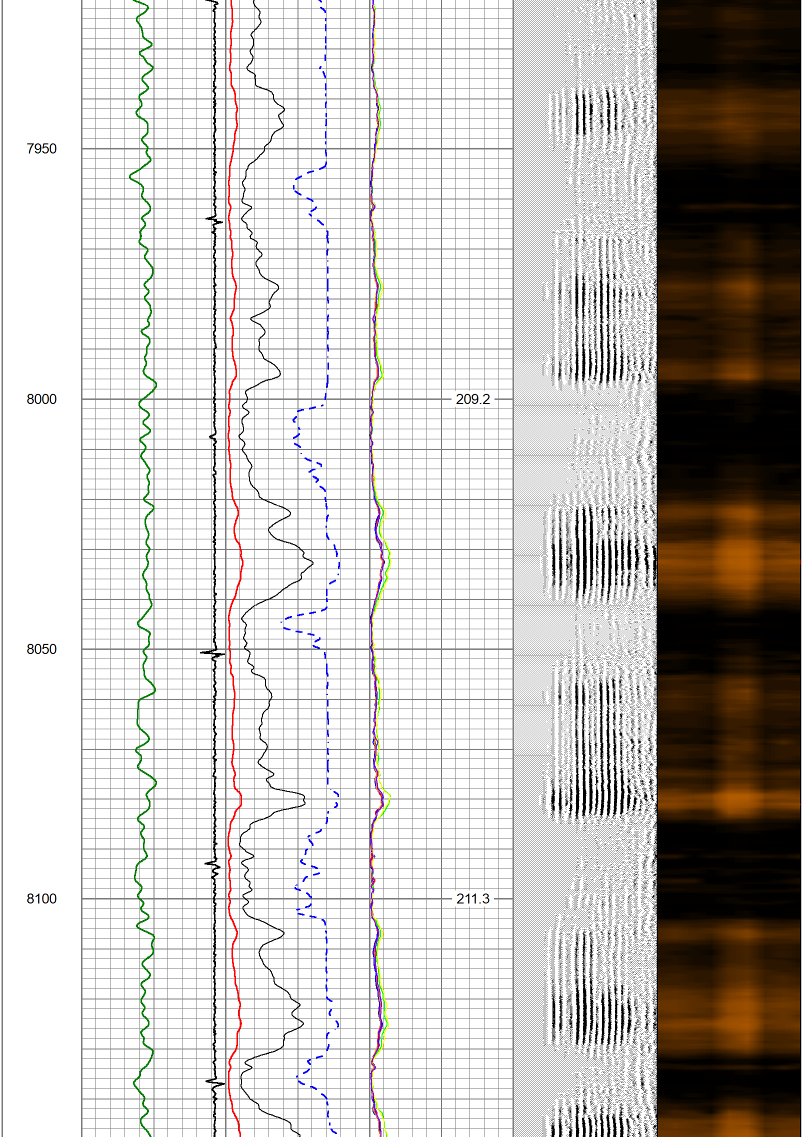
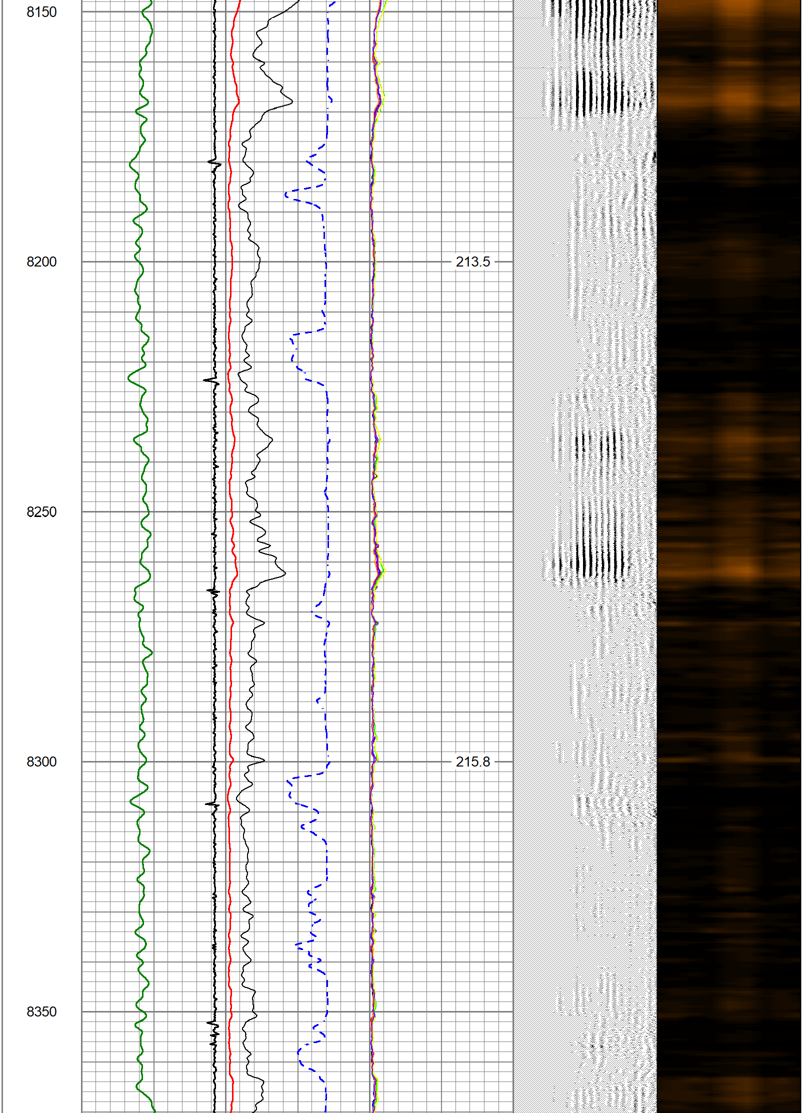
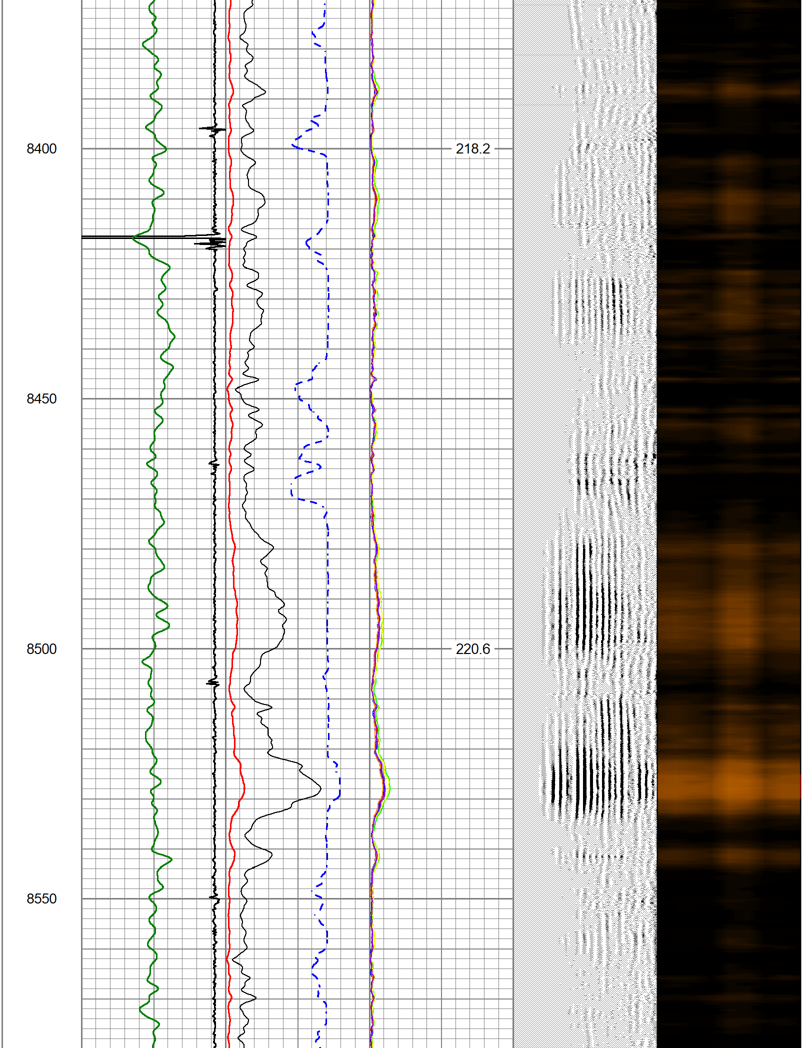
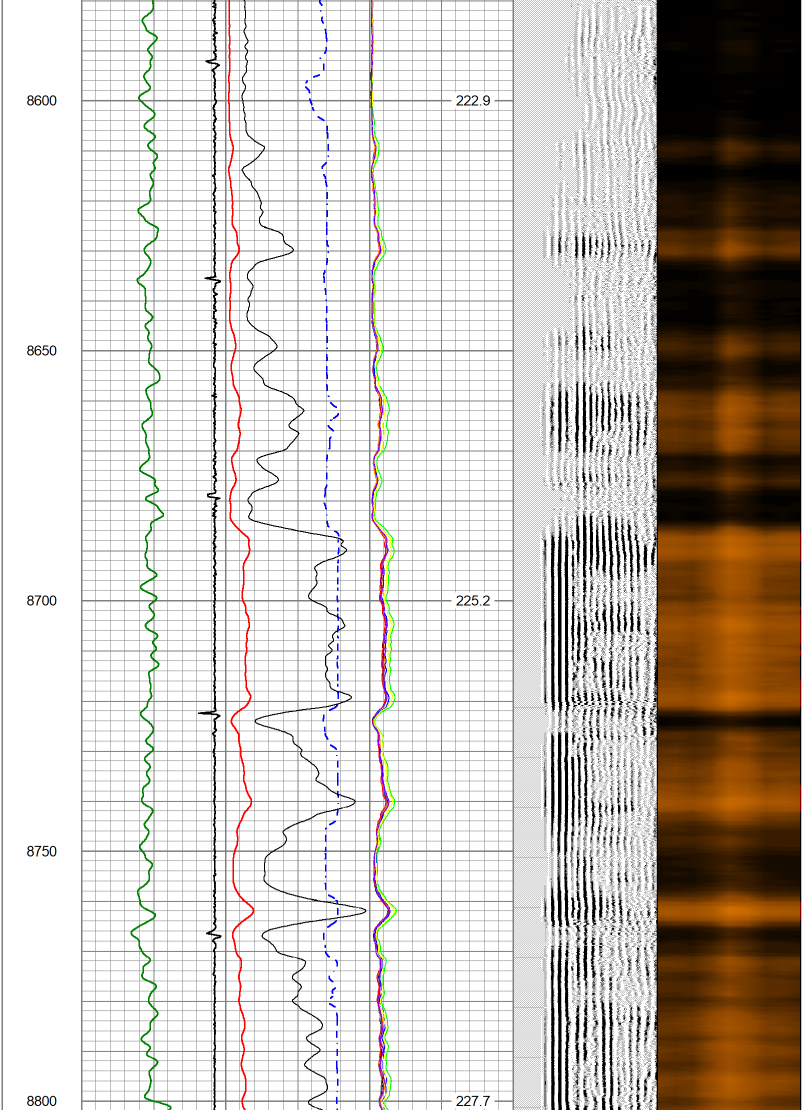


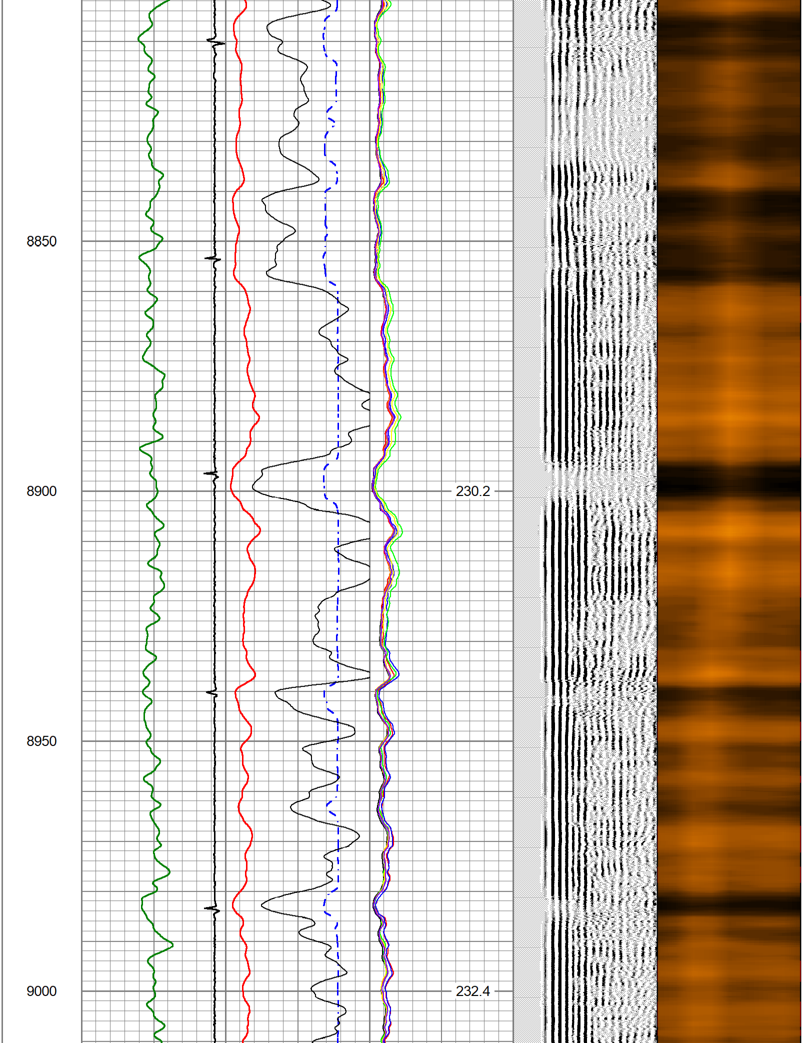


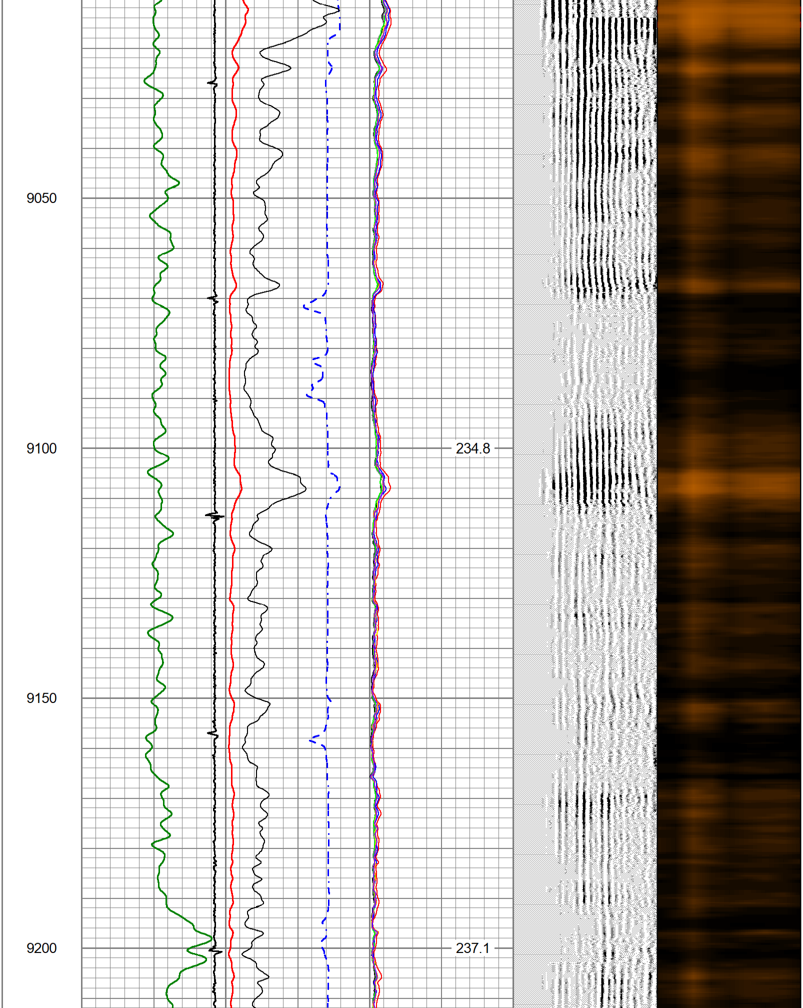


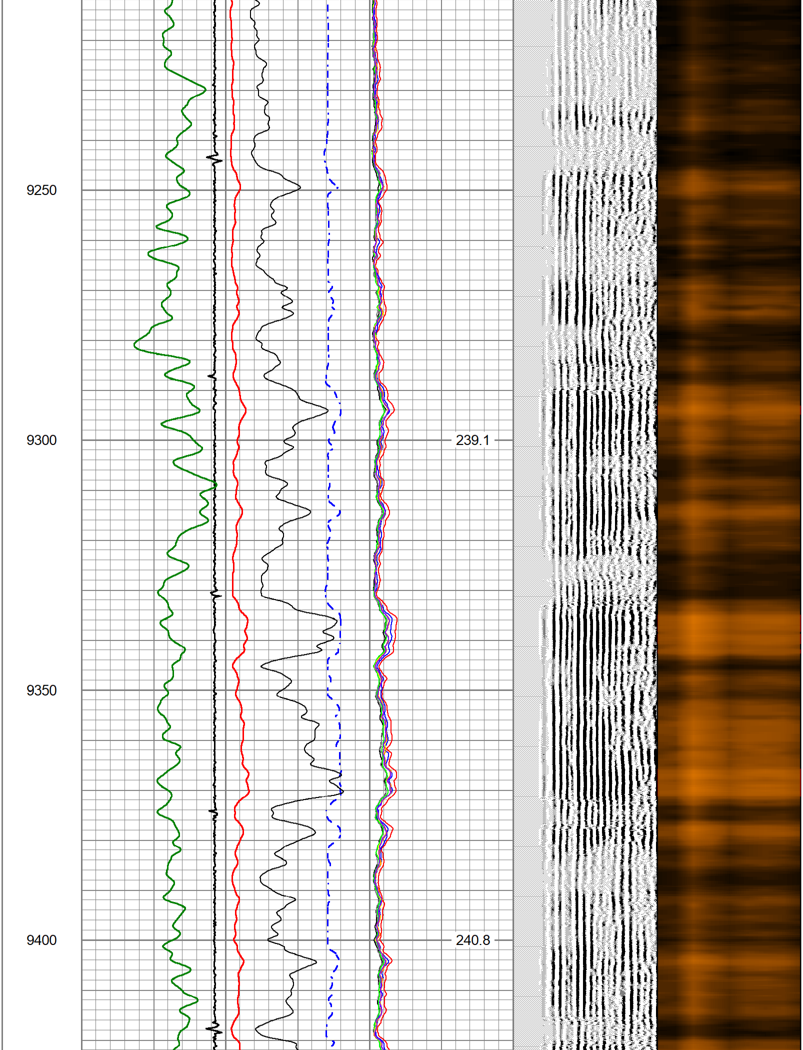


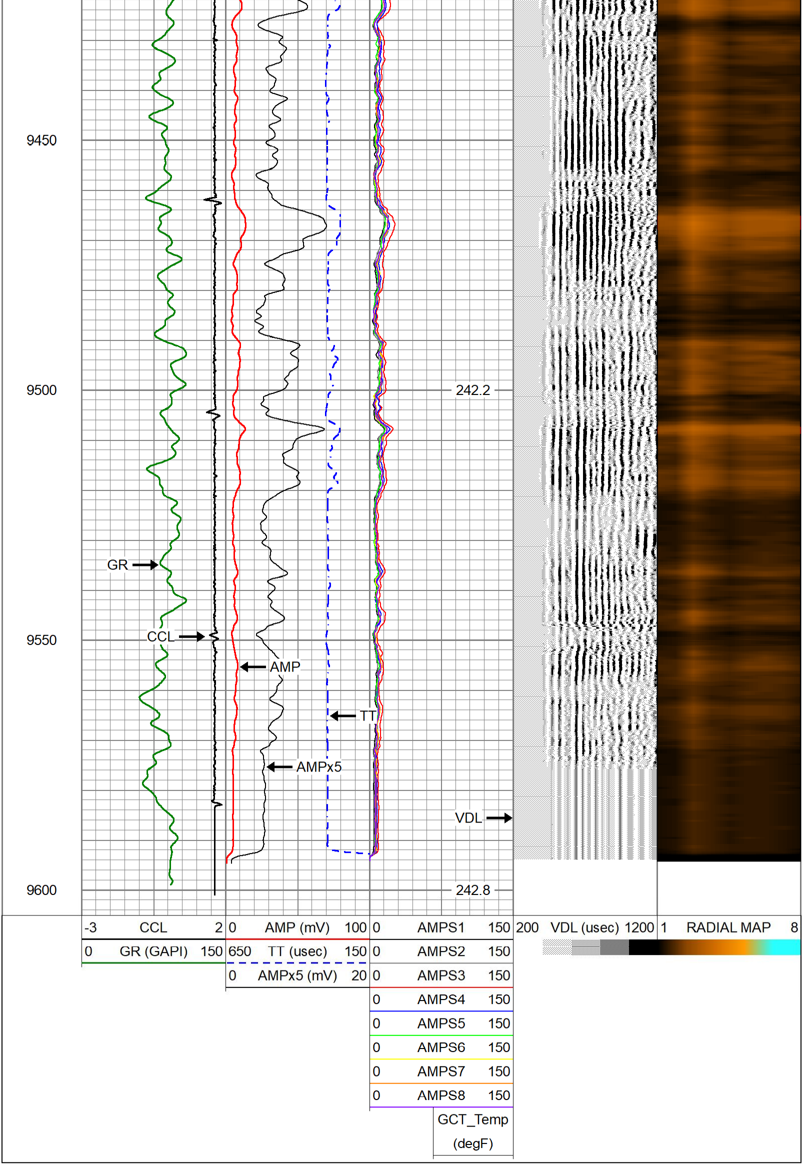












REPEAT SECTION

Database File	cicvitas interchange b s22-30-20n.db
Dataset Pathname	pass2
Presentation Format	sfww_cbl_oasis-sectors (2)
Dataset Creation	Tue May 31 08:37:08 2022
Charted by	Depth in Feet scaled 1:240

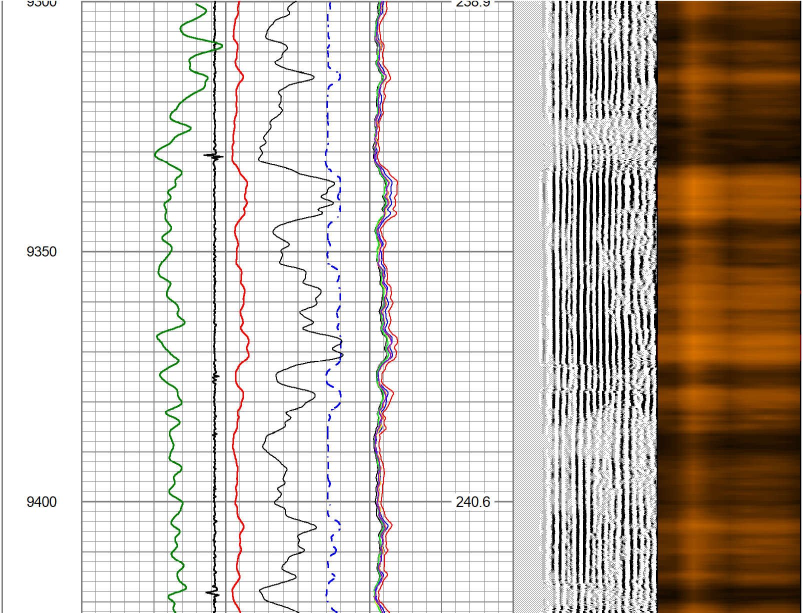
-3 CCL 2
0 GR (GAPI) 150

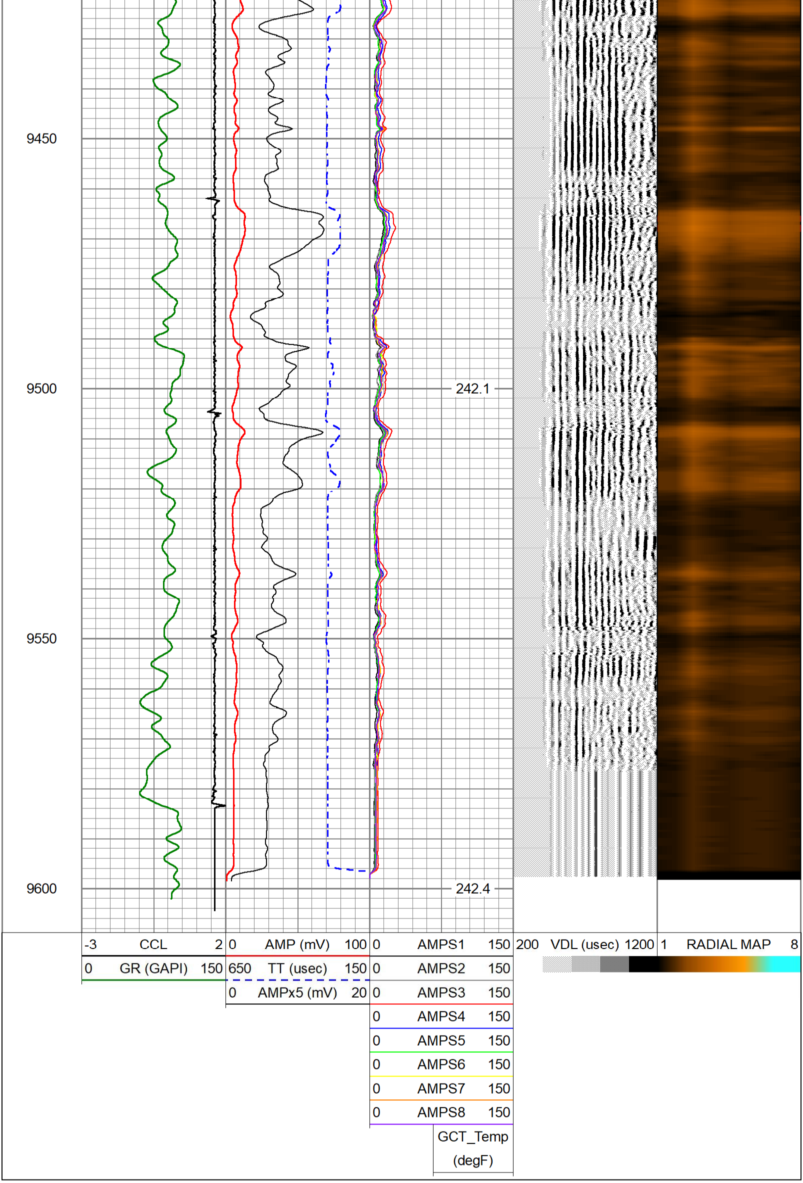
0 AMP (mV) 100
650 TT (usec) 150
0 AMPx5 (mV) 20

0 AMPS1 150
0 AMPS2 150
0 AMPS3 150
0 AMPS4 150
0 AMPS5 150
0 AMPS6 150
0 AMPS7 150
0 AMPS8 150
GCT_Temp (degF)

200 VDL (usec) 1200

1 RADIAL MAP 8





Calibration Report

Database File	cicvitas interchange b s22-30-20n.db
Dataset Pathname	pass3
Dataset Creation	Tue May 31 08:44:24 2022

Gamma Ray Calibration Report

Serial Number:	FW1905-098	
Tool Model:	GCT275-0000	
Performed:	Mon May 4 14:03:10 2020	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5800	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1905-055	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	175.642	ft

Master Calibration, performed Tue May 10 12:53:06 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.422	0.800	71.921	50.026	0.780
CAL	-0.000	1.614				
5'	-0.000	1.245	0.800	71.921	57.109	0.819
SUM						
S1	0.001	1.445	0.000	71.921	49.797	-0.036
S2	0.001	1.435	0.000	71.921	50.156	-0.030
S3	0.000	1.439	0.000	71.921	49.995	-0.012
S4	-0.001	1.399	0.000	71.921	51.383	0.038
S5	0.000	1.323	0.000	71.921	50.359	-0.009
S6	0.001	1.301	0.000	71.921	50.345	-0.063
S7	0.000	1.337	0.000	71.921	50.806	-0.025
S8	0.000	1.374	0.000	71.921	50.369	-0.024

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.000	1.614	1.000	0.000

Air Zero Calibration, performed Tue Sep 21 11:19:14 2021:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000